

# **Canid Biology and Conservation**

*An International Conference*

## **Posters Programme**

## BEHAVIOURAL ECOLOGY

Mon 17 / Tues 18 September

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### **Energy Cost of Running in Arctic Fox (*Alopex lagopus*), in Norway**

Eva Fuglei & Nils Øritsland

### **Energy Requirements and Local Distribution of Sympatric Chilla (*Pseudalopex griseus*) and Culpeo (*P. culpaeus*) Foxes in South America**

Jaime Jiménez & Warren Johnson

### **About Supplanting Interactions in Social Canids**

Javier de Miguel, Paloma Chaves Montoya, Raquel Monclús Burgoa & Isabel Barja

### **Effects of Social and Environmental Factors on Coyote Vocalizations: a) Spectrographic Analysis of Barks and Howls**

Brian Mitchell, Reginald Barrett & Michael Jaeger

### **Effects of Social and Environmental Factors on Coyote Vocalizations: b) Responses of Coyotes to Audio Playbacks**

Brian Mitchell, Reginald Barrett & Michael Jaeger

### **Howling Activity of Free-Ranging Wolves**

Sabina Nowak, Włodzimierz Jędrzejewski, Krzysztof Schmidt, Jörn Theuerkauf, Robert Mysłajek & Bogumiła Jędrzejewska

### **Juvenile Dispersal in the Icelandic Arctic Fox Population**

Páll Hersteinsson

### **Proximate Explanations for Failed Pack Formation in *Lycaon pictus***

Kim McCreery & Robert Robbins

## CANID BEHAVIOUR

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### **High Placed Urination in Wolves (*Canis lupus L.*) in Captivity**

Isabel Barja & Javier de Miguel

### **Plant Selection for Scat Marking by Wolf**

Isabel Barja, Javier de Miguel & Felipe Bárcena

### **Selection of High Sites for Placing Scats by Wolf**

Isabel Barja, Javier de Miguel & Felipe Bárcena

### **Wolf Vocal Communication: Sources of Variation among Individuals in the Squeak**

Fred Harrington & Tanya Holt

### **Some Unusual Behaviors of the New Guinea Singing Dog (*Canis hallstromi*)**

Janice Koler-Matznick & Lehr Brisbin

### **The Behaviour of Polar Wolves (*Canis lupus arctos*) Sharing an Enclosure with Brown Bears (*Ursus arctos*)**

Simone Nowak

### **The Ontogeny of Vocalisation in the Domestic Dog (*Canis lupus f. familiaris*) Compared to the Wolf (*Canis lupus*)**

Simone Nowak

### **A Comparative Study of Larynx Morphology and Howling Vocalizations in Five Canids (Genus *Canis*)**

Alessia Ortolani, Laurie Corbett, Mark Feinstein, & Ray Coppinger

### **Interaction Between Wolf and Large Predators in Russia**

Mikhail Vaisfeld

### **Biphonation in the Dhole *Cuon alpinus* Vocal Behaviour**

Elena V. Volodina & Ilya A. Volodin

### **Vocal Repertoire in the Dhole *Cuon alpinus* in Captivity**

Ilya A. Volodin, Elena V. Volodina & Irina V. Isaeva

## POPULATION DYNAMICS AND MODELLING

Mon 17 / Tues 18 September

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### **Group Size and Allee Effect in the African Wild Dog (*Lycaon pictus*): new insights through stage-structured population models**

Guillaume Chapron, Stéphane Legendre, Jean Clobert & Régis Ferrière

### **Wild Dog Population Dynamics in Kruger National Park, South Africa**

Harriet Davies, Gus Mills, Anthony Maddock & Ian Wilkinson

### **Modelling of Wolf-Livestock Interactions in Spain: Proposed Methodology for Development of Policy Guidelines**

Deborah Kirby, Paula White & R. Ruiz

### **Dynamics of a Wolf (*Canis lupus*) Population in Turkmenistan**

Victor Lukarevskiy

### **Recovery of Ethiopian Wolf Packs after a Rabies Epizootic**

Jorgelina Marino & Claudio Sillero-Zubiri

### **The Scandinavian Wolf Research Project (SKANDULV)**

Hans Christian Pedersen, Olof Liberg, Håkan Sand & Petter Wabakken

## SYSTEMATICS, PALAEOLOGY AND MORPHOLOGY

Mon 17 / Tues 18 September

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### **On Biometry and Sexual Dimorphism in Wolf**

Felipe Bárcena & Roberto Hermida

### **The New Guinea Singing Dog (*Canis dingo hallstromi*)**

Lehr Brisbin, Janice Koler-Matznick & Mark Feinstein

### **The Skull Morphology of the Ethiopian Wolf (*Canis simensis*)**

Ruth Dalton

### **Cranial Development in Wolf between Four and Ten Months of Age**

Roberto Hermida & Felipe Bárcena

### **Some Data on Seasonal Variation in Wolf Pelage**

Sonia Lamas & Felipe Bárcena

### **The Fossil Record of *Canis* (Carnivora: Canidae) in South America. Comments on the Systematic Status of *Canis gezi***

Francisco Prevosti

### **Phylogeny of Canidae: Inferences From Combined Morphological, Behavioural and Molecular Data**

Věra Řičánková & Jan Zrzavý

### **Is "Tanuki" a Separate Species?**

Midori Saeki & Kaarina Kauhala

### **Fluctuating Asymmetry and Inbreeding in the Painted Hunting Dog, *Lycaon pictus***

Charles T. T. Edwards & Greg S. A. Rasmussen

## POPULATION GENETICS

Mon 17 / Tue 18 September

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### Development of Genetic Markers to Address Conservation Issues for the Dhole (*Cuon alpinus*)

Arati Iyengar

### DLA-DRB1, DQAI and DQBI Alleles in Alaskan Grey Wolves

Lorna Kennedy, John Angles, George Happ, Annette Barnes, Stuart Carter, William Ollier & Wendy Thomson

### Genetic Study on the Anatolian Shepherd Dog Based on 100 Microsatellite Loci

Evren Koban, Vahdettin Altunok, Lounes Chikhi, Ayşe Ergüven & İnci Togan

### Non-invasive Molecular Tracking of Colonizing Wolf Packs in the Western Italian Alps

Vittorio Lucchini, E. Fabbri, Francesca Marucco, Simone Ricci, Luigi Boitani & Ettore Randi

### RAPD Fingerprinting and Relatedness Among Dog Breeds and Grey Wolves

Seraphima Semyenova, Natalia Illarionova, Vasilii Vasilyev, Anna Shubkina & Aleksei Ryskov

### Conservation Genetics of Wolves (*Canis lupus*) in Italy

Ettore Randi & Vittorio Lucchini

## REPRODUCTIVE ECOLOGY

Mon 17 / Tue 18 September

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### The Influence of Social Factors on Reproduction in Red Foxes

Caroline Henry, Marie-Lazarine Poulle & Jean-Jacques Roeder

### Breeding and Parturition Seasons With Growth Rate of Mexican wolf (*Canis lupus baileyi*) Pups

Jorge Servín, Susan Lindsay-Lindaker & Peter Siminski

## DISEASE AND EPIDEMIOLOGY

Mon 17 / Tues 18 September

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### Use of a Natural Emetic in *Lycaon pictus*

Filippo Bassignani & Elena Carloni

### Diseases of Canidae Species in Central Asia

Natalya Marmazinskaya

### Evaluation of Different Techniques For Capture and Anaesthesia of Painted Hunting Dogs

Greg Rasmussen

# FORAGING AND POPULATION ECOLOGY

Wed 19 / Thu 20 September

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## **Estimated Diet of the Dhole or Asiatic Wild Dog (*Cuon alpinus*) in Kanha Tiger Reserve, Central India**

Bhaskar Acharya, Leon Durbin & Asir Johnsingh

## **Transboundary Movements of Wolves in Latvia and Estonia: Results of the Pilot Study**

Zanete Andersone, Nikolai Laanetu, Robert Oetjen & Janis Ozolins

## **Ecology of a Wolf Pack in a Semi-Agricultural Landscape in Tuscany, Central Italy**

Paolo Ciucci, Luca Artoni, Edoardo Tedesco & Luigi Boitani

## **Spatial Ecology of the Culpeo Fox (*Pseudalopex culpaeus*) in the Highland Desert of Northern Chile**

Jaime Jiménez, Mario Parada & Pamela Cortés

## **The Home Range of Raccoon Dog in Relation to other Carnivores**

Katja Kiviahio & Kaarina Kauhala

## **Foraging Behaviour of Coyotes in Prairie Dog Towns of Northwestern Mexico**

Rurik List & David Macdonald

## **Winter Habitat Selection of Wolves in the Western Alps**

Francesca Marucco, Simone Ricci, Tommaso Galli, Lorenzo Manghi & Luigi Boitani

## **Selection of Marking Sites by Red Fox (*Vulpes vulpes*) in Spain**

Raquel Monclús Burgoa, Javier de Miguel, Isabel Barja & Felipe Bárcena

## **Feeding Success of African Wild Dogs in Relation to Group Size and Kleptoparasitism: the Emergence of an Allee Effect?**

Chris Carbone, Lory Frame, George Frame, James Malcolm, John Fanshawe, Clare FitzGibbon, George Schaller, Iain J. Gordon, J. Marcus Rowcliffe & Johan du Toit

## **Wolf population ecology in Russian Karelia and Finland: effects of prey availability and exploitation by humans**

Ilpo Kojola & Pjotr. I. Danilov

## **Diet and Habitat Use in Jackal, Jungle Cat, and Caracal in a Semi-arid Region of India**

Shomita Mukherjee, S.P. Goyal & A.J.T. Johnsingh

## **The Diet of Red Fox (*Vulpes vulpes*) In Two Areas of Parque Nacional da Peneda-Gerês (NW Portugal)**

Nuno Negrões Soares, José Lopes de Carvalho & Pedro Teixeira Gomes

## **Bat-eared Foxes as Predators on Harvester Termites**

Jan Nel

## **Blackbacked Jackal Social Organization in Relation to Food Dispersion on a Desert Coast**

Jan Nel, Rudi Loutit & Rod Braby

## **The Red Fox (*Vulpes vulpes*): Its Abundance and Diet in North East Ireland**

Declan O'Mahony, William Montgomery, Murray Grant & Jonathan Reynolds

## **Seasonal Movement and Home Range of Sierra Nevada Red Fox in Northern California**

John Perrine & Reginald Barrett

## **Movements and Habitat Ecology of the Raccoon Dog in Japan**

Midori Saeki

## **Do Food Resources Affect Home Range Size in Coyotes?**

Jorge Servín, Carmen Huxley & Elias Chacón

## **Diet of the Maned Wolf (*Chrysocyon brachyurus*) in a Private Natural Reserve in South-eastern Brazil**

Joaquim Silva & Sônia Talamoni

## **Ecology of Crab-eating foxes in Caatinga, a Dry Forest in North-eastern Brazil**

Frank Wolff

## CONFLICT AND CONTROL

Wed 19 / Thu 20 September

### **Dhole Depredation and its Consequences for the Carnivore Community in Arunachal Pradesh, North East India**

Narendra Babu & Arun Venkataraman

### **Managing the Wolf (*Canis lupus*) Expansion in Western Europe: Conservation and Control Strategies**

Guillaume Chapron, Stéphane Legendre, Jean Clobert, Régis Ferrière & Robert Haight

### **Resolving Problem of Child-lifting by Wolves in the State of Uttar Pradesh and Bihar, India**

N.P.S. Chauhan

### **Relationships Between Sechuran Fox (*Pseudalopex sechurae*) and People in Peru: Threats and Uses**

Daniel Cossios

### **Stakeholder Participation in Large Carnivore Conservation**

Nina Fascione

### **The Relationships between Humans and Wolves in the Montesinho Natural Park (North-east of Portugal): From Destruction to Conservation**

João Pedro Galhano Alves

### **The Role of Predation by Wolves (*Canis lupus pallipes*) and Jackals (*Canis aureus*) on Blackbuck (*Antelope cervicapra*) in Velavadar National Park, India**

Yadvendradev Jhala

### **An Analysis of the Costs of Red Foxes to Agricultural Interests in Britain**

Rebecca Moberly, Piran White, Charlotte Webbon, Philip Baker & Stephen Harris

### **Love, Hate and Lunacy: Responses to the Wolf in the Middle Ages and Present Day**

Aleks Pluskowski

### **The Golan Wolf Study: Ecology, Food habits and Livestock Depredation**

Alon Reichmann, Dror Pevzner, Rachel Gavrieli, Lia Court, Peretz Gilady, & Eyal Harel

### **Red Fox and Grouse Populations in Finland: Is the Fox Threatening Grouse Populations?**

Kaarina Kauhala

## CONSERVATION TOOLS AND PRACTICE

Wed 19 / Thu 20 September

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### **Wolf Habituation: Friend or Foe to Wolf Recovery?**

Diane Boyd

### **Personality Assessment as a Predictor of Survival Rates of Captive-Bred Swift Fox**

Samantha Bremner, Robert Elwood & Paulo Prodöhl

### **Swift Fox Vocalisations: their Possible Application to Population Censuses**

Safi Darden

### **Developing a Technique for Attracting Bush Dogs (*Speothos venaticus*) in the Wild**

Karen DeMatteo, Gerald Zuercher, Kelli Smith & Ingrid Porton

### **Use of an acoustic method for determining the status of the golden jackal (*Canis aureus*)**

Giorgos Giannatos & Yiannis Marinos

### **The Analysis of the Human Attitudes for the Wolf Conservation: the Case of Sierra de la Culebra (Spain)**

Montserrat Soria & João Galhano Alves

### **Asking People about Bush Dogs: the Use of Ecological Informants and Insights on *Speothos venaticus* Natural History**

Matthew Swarner

### **New Perspectives in Wolf Research: GPS with Remote Download Facilities**

Barbara Zimmermann, Petter Wabakken, Hans Christian Pedersen, Håkan Sand & Olof Liberg

## **CONSERVATION POLICY AND PLANNING**

Wed 19 / Thu 20 September

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### **Exhibit Space Availability in North American Zoos: a Limiting Factor in Success of Programs for Canid and Hyaenid Species**

Karen Bauman, Kathryn Holden, Ingrid Porton & Jack Grisham

### **Ecological Economics of Wolf - Livestock Conflict in the French Alps**

Guillaume Chapron, Stéphane Legendre, Jean Clobert & Régis Ferrière

### **A National Network to Monitor Natural Wolf Recovery in France: Patterns and Rate**

Christophe Duchamp, Thierry Dahier & Benoit Lequette

### **Problems of Wolf Protection in Poland**

Sabina Nowak & Robert Mysłajek

### **Wolf Conservation in Europe**

Fernando Palacios

### **Environmental and Human Factors Affecting Maned Wolf Conservation in Argentina**

Lucia Soler & Jean-Marie Carenton

## **DISTRIBUTION OF THE CANIDAE**

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### **The Wolf in Turkey: Its Status and the Conservation Challenges**

Emre Can

### **Forest Dwelling African Wild Dogs in the Bale Mountains, Ethiopia**

Guy Dutson & Claudio Sillero-Zubiri

### **Assessment of the Status and Threats to the Endangered Ethiopian Wolf**

Jorgelina Marino, M. Karen Laurenson & Claudio Sillero-Zubiri

### **Wolf and Jackal in a Semi-arid Zone of Georgia**

Iamze Khutsishvili

### **Restricted or Widespread? Even or Patchy? Rare or Overlooked? The Distribution and Status of the Short-eared Dog *Atelocynus microtis***

Renata Leite & Rob Williams

### **Distribution of Conservation Areas for Wolf In the Carpathian Mountains**

Valeria Salvatori, Luigi Boitani & Fabio Corsi

### **Distribution and Conservation of the Wolf in Saudi Arabia: Results of a Preliminary Survey**

Iacopo Sinibaldi, Luigi Boitani, Mohamed Sandouka & Iyad Nader